

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: Tue May 29 13:28:51 EDT 2007

=====

Application No: 10573332 Version No: 1.0

Input Set:

Output Set:

Started: 2007-05-25 20:45:16.419
Finished: 2007-05-25 20:51:53.368
Elapsed: 0 hr(s) 6 min(s) 36 sec(s) 949 ms
Total Warnings: 0
Total Errors: 0
No. of SeqIDs Defined: 1441
Actual SeqID Count: 1441

SEQUENCE LISTING

<110> Morris, David W.
Malandro, Marc S.

<120> NOVEL THERAPEUTIC TARGETS IN CANCER

<130> 529452001900

<140> 10573332

<141> 2007-05-25

<150> US 10/669,920

<151> 2003-09-23

<150> US 10/004,113

<151> 2001-10-23

<150> US 10/052,482

<151> 2001-11-08

<150> US 09/997,722

<151> 2001-11-30

<150> US 10/034,650

<151> 2001-12-20

<150> US 10/085,117

<151> 2002-02-27

<150> US 10/087,192

<151> 2002-03-01

<150> US 10/322,281

<151> 2002-12-17

<150> US 10/322,696

<151> 2002-12-17

<160> 1441

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 30908

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(30908)

<223> n = A,T,C or G

<400> 1

gaaattgggt tccttggtta atgatgggtg cggggaaaga cgtggatggg gagttccatt 60

ctcagcccg cgtactgcc tgtgagcctc ctttgggaaa gtccttaatt tctctagttc 120

tgttatttcc	tcatctctag	aatgggcatc	acgacactga	tttcacagag	ttgttccgag	180
atgaaatgat	gtgatggagt	aagtactagt	tcccagcctc	tcagatcctg	gaaatgggtg	240
tcctgcctct	ccctctggaa	gctccctgaa	ggccaggctt	tgggtccttc	atccaagctt	300
ggatgagtat	tttaaaagag	tctccgtgag	ttttgctcat	tagccaaaac	ggatgctggc	360
ctttggaagc	ggggcgggatg	actctgcgtg	gaaatattct	tctctgagtt	tccttcctct	420
gcctacttcc	tcgtgagttc	tatgtggcat	ctatttgagg	tcaaactctat	tgaaatatac	480
ttcagcttaa	ctctaggtgc	cttttagttg	agcaccaaga	atatactaa	tgctatgtaa	540
gaaatagata	aaggaccag	tatggaggag	gagaaatacc	aagccaagcc	tagtactcaa	600
accgcagaca	gtgataggga	cagccggatc	gctttctgta	ggcttgaggg	tttctgaaat	660
tcttcaggga	attgggagct	ctttgagctg	gactttttta	agcgtatgag	tgtttggtct	720
ctctctatgc	atctgtgtca	tgagcatacc	tggtacctat	ggagaacagg	agaggggtatc	780
agacaccctg	gaactacaga	tagttgtcag	ttgccatgtg	ggtgctggga	aaccaccct	840
aggctcctctg	caggaacagc	aagtgtcgaa	gggactactg	agctgtctct	ccagcccctt	900
acgttaaatac	ttgaagaacg	ggttaaaaga	tgacagagcg	ggggagaggt	accggagaga	960
aaaatgtgtg	aaagtagtca	gggccttgac	ctggaagagt	tagagaacaa	ggcagatgca	1020
gttggcaggt	ccggagcaac	agctcctgag	tgttcaatgg	gccaaagtga	gaggggcttt	1080
ggatgccatg	aaaggttgcc	gaggagaagg	aagtagagag	tgagtccttc	agctaccaca	1140
ggggaagggg	gggaaggggg	tgaggagatt	tcctaaatgt	gcatcattgg	ccttctgagg	1200
tcttcagaag	acgaccagt	gggtcccaa	agggtgagac	cagacagaac	agacagccac	1260
tattccctac	tctgaccccc	tacctcaaga	ggaaaggacg	aagagagagc	tgagaagaga	1320
ccctgagcct	cttcaccaca	gcagacagga	ccaagtttca	gcaggcacca	ggacactcag	1380
gtgtctacgt	cagtcgctag	ctatgcacat	gggtaccctg	ggcatggaaa	gtacagactg	1440
gctttctaac	acatcatttt	gccgtgagac	caatcccagc	attccctcta	ttgtcctcaa	1500
cagaatcaaa	cgtccaagct	aaggggcttg	ccacctctcc	aaaataaagg	tcaccttaga	1560
ggtcaagaaa	gcattgacac	aaaccttggg	taagccctaa	gactgtaact	tgggagttgt	1620
catgacaaca	gggcagtaga	gccatctcta	ctctctccta	aatggcacga	ggtttagatg	1680
agtaactctg	aaagaacaga	ccccaccct	gttttcctat	ttaccatctt	cagaccctc	1740
ctcacctgtg	ccccagccct	ctcctctagg	accttagcaa	cttgaacaac	atagacacac	1800
acgcctcctc	tcagtgtcca	acaatgagcc	ctcccagcaa	aacagggaagc	ctcttgctgc	1860
caaggcattg	tgcttgccct	gtcacgtgtc	aggaaaccac	taccgtgcca	tggcaacagg	1920
tgttgctgag	accttagcct	tccgcgcaac	ctgtgcctg	cccttctctc	tcctccttac	1980
tcctagagag	tgtcctcggt	gtgcagtgtc	cttgactcac	ctggacactg	ctgtgagtga	2040
ggtcctaata	taccttaact	tggatgagaa	gactaattca	ccctataagt	cagtggccca	2100
gggccagggc	ttgggcctta	gactgcataa	aaaggagaaa	gcttgccgac	tgcagggtgt	2160
catctccct	tgtttcctgc	ctatcagtgc	aatgtcacca	gccactccaa	gccaatgtca	2220
ccaccagcca	ccccaaagctc	ctgctgccat	gattcccaa	ccaggatgga	ctctacgctg	2280
gaactgtgag	ctgtattaac	gcttctcccc	taaatttttc	ttgtcaaggt	gttttcatca	2340
caacagcaga	aaaacaaaaa	ccaactgaca	cttctcctt	gcaactggca	gctcacatcg	2400
cttgctcctt	tcccatttgg	acaccaaaga	tctcactgat	catcatccaa	acacagttct	2460
tcatgctagc	caggcaacat	aagaatgtac	ctgtgtggaa	atttagcaag	cttcttagct	2520
cttttgatc	gcaaaagtct	aggtaaggtc	tgagatgact	ctctctcaa	ttccaatatc	2580
cctaaatgta	tgccagacct	tcctgtaagg	ttgctgagtc	ctgaagctaa	actgactgtc	2640
ttagttaagg	ttagtagtgc	taccacacca	aaaacaaaac	aaacaaacaa	aaaaaaaaatg	2700
aacaagccag	gcgtgggtgt	gcatgccttt	aattccagca	ctcgggaggc	agaggcaagc	2760
agatttctga	gttcaagacc	agcctggtct	acaaaagtga	ttccaggaca	gccagggcta	2820
cacagagaaa	ccctgtctca	aaaaaacaaa	caaacaaaca	aataacagca	acaacaacaa	2880
aaacatgaac	aaaagctatt	tggttgggga	aggttttatt	ggctcacact	tccatatcat	2940
ggtccattat	caaaggaagt	cagggcaggc	actcaaggca	aggcagggaac	ctagaggcag	3000
gagctgatgc	tgaggccatg	gaagagtgtt	gcttactggc	ttgctgagtc	tgctttcttt	3060
tatcatccat	tgttacatgg	agattaatca	aagttgcatg	aaaagaagag	agaaggacct	3120
cctcagacgc	agatggaagc	atgtggtcct	ttgttaggac	tctgaagggc	agtggctctc	3180
cagaaaaagg	ctgtcagcca	aggcacaggg	ggtttgaggg	ttttatagga	cagaaaaagga	3240
agcgtttgtg	gttgaaaaat	tccatctgca	gatctgtttc	ctcaagtctc	agcactgtaa	3300
ataccaacgg	aggttcttat	ccattagtga	atttcttgtc	aggagaatcc	cggctcctaa	3360
ctgcctgcag	atgttagcag	tgtatccctg	gtgccatccg	gagtttctca	gctctcctgg	3420
ggcttttagg	tcattaaccc	ttcacccaag	accagcagca	gcagcaccgc	ccagtgaact	3480
agcctcagag	actcaccta	caggccaatc	tgatggacgc	atttttctca	actgtggttc	3540

cctcttctca	aatgactcta	gagtgtgtta	aattgacata	aaactagcca	gcacactgat	3600
gattctggag	tgaaatcaaa	aggagcttga	agatgagggg	ggggacagag	gcaagggtat	3660
gtcttagact	ttactcattg	aattgcaagc	cgagaaggat	tagaagacat	cagcagtatc	3720
agtggacaag	tggcatttga	atgccatatg	gaagaaggac	aataagaagt	tcctgcagac	3780
ctggttccat	ccagaagcct	ctgctctgac	tcctctcccg	ggactcttta	ggccaaggac	3840
tttctccagg	ggtctcaaga	ctttctgtgt	tcctttatac	taagttttct	ttcatcctgt	3900
gaacaatcaa	gtcatcagt	aggtgggttg	gtgacatggc	ccataaagat	gacttccagg	3960
gacctggttc	ctgctcacac	tctgaaacct	ttgctcctgg	gcaaaacttc	ccctaaagaa	4020
caatgacaca	cattctcaga	gaacagagaa	caataagccg	tgtgtaacaa	catcttccag	4080
agagagagaa	gcgtggat	agtctctttg	ggccacgctc	agcatcagca	ggagctagct	4140
tgacataagg	agaaaagccc	cttagcttgg	agctaaaggt	cacatcactt	ttaagtctca	4200
gtttctacag	ccacagaaca	gaaagttacc	aaacacagca	gcctgagggg	ttcatgtgag	4260
aaggatcatg	agtcccaatc	actcactcct	taaacttgac	tctgtctgca	gccccagct	4320
ggccttgaac	ttgtggcagt	ggagaatgtg	cttgaaatac	agaagccaaa	tagaaacctg	4380
gaaatgttac	ttgtcactgg	ttggaagccc	tggaccatgg	tggatggaca	ctcgattctg	4440
agtacctacc	cccaggactc	cccagagtag	atgtttatag	ttgctggatg	atgggtggatg	4500
gacagacaga	cacggactgg	cgctaagaa	aagtctagca	tgtcatcacg	tactccagca	4560
gcccagagac	ttcatgtcaa	agacacaaa	caaagccatc	tcatgtgcca	accacaacct	4620
agccaatggg	cagttatcaa	agccagaaat	ctggcctaga	ggccatagca	ctctaaaatg	4680
aggccaagt	aaactatgtg	gcgtctctctg	ccctccaaac	tgccaacttc	agcagccctt	4740
ttgaagctga	gtcaaaactcc	tgaccatagc	gtttcttttc	accactgcct	tcctccctca	4800
cctggcccac	tcctcagct	ctctaggtgc	cactcttccc	ataggagtct	tgggtggact	4860
cctactgtgc	ctaagctatg	ccaggctgtt	ccctagctaa	gtcctgcagt	gttgtgatgc	4920
aatatgttcc	tcattat	cctaaatacc	atgaaatatt	taatatataa	agccataaaa	4980
agccgggcat	ggtggctcac	acctttaatc	ccagcacttg	ggaggcagag	gcaggcaa	5040
ttctgagttc	aaggccagcc	tgggtctacag	agtgagttcc	aggacagcca	gggctacaca	5100
gagaaaccct	gtctcgaaaa	aacaacaaca	acaataacaa	caacaaaaag	ccgtaaaaaa	5160
taatgcaatg	aagacttttag	ttcatcataa	ataaaacatc	accttccgag	cccttcccaa	5220
aattaaggtg	agcctgtttg	tgggtgccat	ttctcttcat	attgtttgag	agtgattgtg	5280
tcttgtcatt	tgtctcactt	tgtgttctct	ggttttttgg	ccacagagtc	tcactctgta	5340
aagggtggcag	atccaagtgt	ggcaatcttc	ctacctcagc	tgtgtgtgt	gctgtgtgtg	5400
ctgtgtgtgc	tgttcttctt	tcttcttctt	cttcttcttc	ttcttcttct	tcttcttctt	5460
cttcttcttc	ttcttcttct	tcttcttctt	cttcttcttc	ttcttcttct	tcttcttctt	5520
gtattctgcc	tccatgtata	cctgcaggcc	agaaaaggac	accagatctc	attagagatg	5580
gttatgagcc	accatgtggg	tgtgtgggaat	tgaactcagg	acctcttcaa	gagcagccag	5640
tgttttgaat	gtctgtgtgt	tctcttcagc	cttctctctc	ctctctctct	tctctctctt	5700
aataattttac	ttttatttta	tgtacattgg	tgttctgact	gtatatatga	gggtgccagc	5760
tccttgggat	caggagtcac	agacagttgt	gagctgccat	gtgggtgtgt	ggaactgaac	5820
ccaggctcct	tggaaaaaca	gccagtgcgc	ttaaactgcag	agccatctgt	ccagcccctg	5880
cctcagcttc	ttagtgtctaa	gattacagga	cttcatcaga	acctctgtt	gataagacaa	5940
gatccatctt	tgtctatctt	cttcaactgtg	gtggactgga	tactccctac	caccatcacc	6000
cacaaagatc	atatgctaaa	gttatgacct	tacgatggct	ggatttgaga	ataaagctgt	6060
tgggggttgg	ttttaatgct	ttgaattaat	ccagccccc	aaatcgggaa	actgcatgtc	6120
caaacactaa	agatccttgt	ccccaatgg	tttttgatca	atcaaaaaag	agccaatggc	6180
caatggttgg	gcaggtagac	tgaaacaaga	cctttagatt	tgctcaggct	gggaactggg	6240
agagaggaag	gagagagcat	tgtcgtgggt	tggagggaaa	cagatcagaa	ttagagacgc	6300
aaaaggaaaa	gcatccgaaa	tgtaggagag	aaagaattcg	ggccctggag	gaacagctca	6360
gaagtgtctt	gggcagcaaa	gactggggta	ggggcacc	gaaggagcca	gggcaacaaa	6420
gataaaaatat	agaattagag	ggcattaagc	caggagtacc	aaagggaat	gtgttctagc	6480
cacagggaag	attagaactg	cccagcctt	gagctagtca	aagcatattt	aaaattaa	6540
ggtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgcttcattc	ttgaatccag	6600
atagctcttg	ggcagggtgca	tgggtgtgac	gaatcgggag	cacaaaatga	tttagcta	6660
tactgtctacg	tagagaatct	aagggaagtta	tttaaat	atagcactat	agagtagggt	6720
cctggttcca	tgggaattgg	atgtgagtga	cattaccaga	aattgacct	actggcctt	6780
gccttgggac	ttccagcctc	tagaaccatg	aggaaacata	tttctgttgt	gtaagacatc	6840
cagtcctatg	tattttaaga	gtccaaacag	actactcact	ccatgtaagt	taagcaaggc	6900
caaggatcat	gtgtgcttgt	ctttggatca	atactgtcca	tcactatacc	taacacataa	6960

gtgcatgcc	aatatctgtt	tgttgaatga	atgaatgaat	gaatgaatga	atgaatgaat	7020
gaattagata	attactaaaa	caaaacatat	agggttctgg	ggatgcaag	atggttta	7080
gggtaaaggt	gcttgctgac	aagcctgaca	acctgagttt	gatcccagga	gtagacctgg	7140
tgggaagagg	agacttactc	ctgcaagatg	tcctctgacc	tcaacaagca	tgctgtgcc	7200
catgcctgca	cacagctctt	tctccctctc	ccttccccca	ccccattct	ctccttctt	7260
ccctcatgcc	tcaacatgaa	agctctcggc	tactgctccc	ataccttgtt	tgctgcctg	7320
cctctgcca	tgccatcatc	caccatgatg	gatgtgaact	catcctctga	aactgtaagc	7380
aagcctacaa	ttaaagtctt	tcttatataa	gttaccttgg	tcttgccatc	tgttcacagg	7440
aataaaaaac	taaatacaac	aaattataca	tgcccccccc	aaaaaccctt	gtaaatgaat	7500
atttatagca	acaatactca	tgataactaa	atagtagaaa	caatccaaat	agccaactaa	7560
tagtagataa	aacaaatgtg	gtatatccac	acaatggaat	attattcagc	cacagaaaag	7620
agtggagagt	tgaacatac	tccatataga	tgaacctaat	taaaagaaga	tagatatgaa	7680
ggtaacattg	tgtctattta	tgtgcattaa	tcaacagaag	caaatctaca	gaaagaaagt	7740
aggtctgcgg	ctcagagcag	ttatgtgcac	aggtggaaag	gacatgggaa	tcatcgga	7800
taatggctga	ggagatctga	ctaaaaatga	ttcaaagttt	accgtggcga	ataaacgccg	7860
tgactatata	aacaccacag	aaatgtctac	tttaaaagag	gaaatgtggg	gacgggagag	7920
atggcgcaac	agttaaggac	acttgatgct	cttgctgagg	atccaggctc	agttcccagc	7980
accacacat	cagctcacaa	ggcctgtaac	tccagttcca	gaggatctga	cgcctcttc	8040
tgacctccac	gggctgtagg	cacacagggtg	gtacacagaa	aggcactcag	gcaaagtctc	8100
atacacataa	aataaaaatc	aatgaatcgt	ttcaaagggt	gaatttagat	atgaactata	8160
gctaactaga	gctgttgtct	tttaaaagaa	aggaaggaaa	cacagatgaa	ttcctttctt	8220
tcaaccttcc	attacctgtc	agtataacct	catggccaat	tctctccaga	agctagaggg	8280
aaagtcgtcc	gggaaatgta	gtccctgtat	gcagagcaga	gcaagggtat	caagtgagtg	8340
cctaaagggt	tatgttgtca	tggcaactgt	tttaactatt	tatttatctt	atgtatatga	8400
gtacactgtc	actctcttca	gacacaccag	aagagggc	cgggtcccat	tacagatgg	8460
tgtgagccaa	cgcgtggttg	ctggggattg	aactcaggac	ctctggagga	gcagtcagtg	8520
ctcttacc	ctgagccatc	tctccagccc	cctgttttta	actagttaat	acagaagaag	8580
ggctaagtca	ttctgagctc	tgtgtcggg	cctgtcgctc	actgaattgt	ctacaatcag	8640
tggctagaga	taaaaaaatt	tacagggtgtc	tctcctggaa	atggaacatt	tagatatattg	8700
ctctagaact	caatggccac	ccacagtccc	cacatgatct	ctatgcttgt	tttaaaccca	8760
ctccttggac	tggggagggtg	gcttagtagc	taacagagaa	ttgccccaca	aacacgagga	8820
actgagtcca	aatcccagaa	ccctcataag	cagcttggca	gtagcatgag	cattcgtcat	8880
cctagcagtc	ccccaggag	atgggaagca	gagacaagag	accacgcacc	cagaaggcca	8940
gctcacctta	gtatagaatg	gggcactcaa	taaagacgtg	atacctgcaa	cagaatggaa	9000
gtaggctgac	acctgacatt	gtctctgac	ttcacacgtg	caatggcata	aaatccccac	9060
attcacgcat	acgatcgcac	acatacacgt	gtgtacacac	accatacaca	ccacacaggc	9120
acaacaatta	aaaatgccaa	taaatatatc	aatcagtttc	cctgtggggg	aaaatgggtg	9180
tggtcacaaa	gaataaaaaa	agtaaaataa	aaataggcca	ggcatggtgg	catatgtctt	9240
taataccagc	actcgggagg	cagatgcagg	tagatctcca	tgggttcgag	gctagctagg	9300
tccacagaac	aagttctagg	acaatcatgg	cactgacaaa	aataaaaataa	aataaaaataa	9360
aataaaaataa	aataaataaa	taaataaata	aataaataaa	taaataaatc	tcttcttggg	9420
gaaccagttt	ggataatgac	ttagacttga	tgtcctctcg	gttagtagag	aaagccgagg	9480
ggctccaggc	accctcatat	ctagcatcta	ggtcctgtga	tgtttagctt	aagtactaaa	9540
aataaacact	caaactttca	cttcgtgggt	gtgtcactga	agccttgctg	gccggaccgt	9600
tcaacagacc	tcaccttggc	tgcgcagggtg	tatgtcgggg	ctgcctggcg	gctgctggga	9660
caatagccac	tgatcaagtt	catactgaaa	gggagacttt	tattcaaaac	caagagaagg	9720
atgcaagtac	acctctgact	cccgagcctc	agcctatctc	acccacagc	agccaccag	9780
gcgtgcttgg	cactcacaga	tgtaaagcagc	tcctccctga	gtctctacaa	ggcactacta	9840
ccaggggctt	tctgaaggca	aacgactcag	tgattcagga	tcctatgaca	gccgaatgtg	9900
gttatcacat	accttgtggc	ccaggaagac	tctgaggggt	gggacaggag	tgggaggggc	9960
tctggaacaa	cttaaaagg	gctcttacca	cttcctccct	gccagagagg	gctagctgga	10020
gagagacaag	aacaaaaagc	acagccttcc	tgtgtgattt	ctacagcccc	cagagcacca	10080
tggacccagg	taagtaagct	ttctcttaag	agaagtcaaa	acttctgaca	caaagccaga	10140
ctctagggca	atgaacatgc	atgggggata	ggggtcatgg	gggggggggg	gagtttccag	10200
agcaatcagg	gcagttggtg	tgaactgggtg	gctgctttca	gagaatgcca	tcccgttgg	10260
tgaggcattg	gagagaggat	gtacctgctc	tttcagaccc	aggggaagg	acagctgtgg	10320
atgccaagac	agacacaggc	ataaagttgg	gtcctctcaa	gcagcaggca	atgaacagcc	10380

tggtagactg	accttgatgc	ctggatagaa	cacgtttctca	gctggtaggg	atgggtgatg	10440
ttctctggca	cctctgggga	ctaagaaaat	tctctttaga	gagttcagga	caccctgctc	10500
ccactctggg	tccctccttt	ctgtcctgtt	aaaccaggat	ttgaatctcc	ttgctcacga	10560
gaagagtga	actgatggaa	actgtgctgt	gcatagtgc	atacaaatac	tagctgccac	10620
ctctgcctct	tgttgtctct	gcctgtcatc	tgtctgtctg	tctctgtctg	tcttcctccc	10680
tcccttcctc	cctcctacac	atcccagggt	ttgtgcctct	tgcaggttaa	aggggtgaatg	10740
actaacataa	aattgagtgg	cccagggggc	actccacgta	gagaaactgt	agccagcaca	10800
gcacagcccc	taaaacaaag	cccacacacc	acagccctct	ctataacaag	ctattctacc	10860
aggcaagcct	cagtgtctac	tatagcaaag	tgccaagggg	agtcagctc	cagacacccc	10920
agttacacat	cttaaactctc	ggctgcagag	tcagactcgg	ctggggctgg	aggggccaaag	10980
ttcctagagt	tccgtctacc	agcctcaaag	ccacaagggg	ttgactttta	aaagtgaagg	11040
ttccctggtg	ctgtcctcac	acccctcca	agccacacca	cagccagcag	catctttatc	11100
tgtctctcct	gcccagcgtg	cattgcaccc	tagatctaga	tccagctgtg	gaaggtatat	11160
agtgggggtcc	acctctgctg	gctatgaact	catgggaagc	aggattttgt	tcttacacct	11220
ctgcctctca	gatgttttgg	gtgtaagtaa	aaagtgttga	tgggagggag	ggagagaggg	11280
atggaggaat	ggatggatgg	atggatggat	ggatggatgg	atggatggat	ggatgtgtgg	11340
atggatggat	ggatagaatc	agcctctcta	agtatatatt	agaaagcaaa	tatctattcc	11400
agcttctcct	cccacctgcc	tgttttctaa	gcctacacct	caggatatcta	cctccaccag	11460
ccatagtctc	agagaaccca	caccatccac	caaagatctt	ctccaccttc	ctaaaatgtg	11520
gctcccagaa	tagggaaagg	ttctaaattt	acagcatttg	ccaatttcca	tgggtgaaat	11580
tttaccatcc	caattgacct	tagtcgggtcc	cattaaaggt	ctaaatgttt	tgacacaaaa	11640
aggagacaga	cacctgcctt	ccttggcact	tgggacacta	tagagtctct	cctgaactag	11700
gtttggggat	gctaaatgca	tggctttgat	acaggggggtg	gggcaaactc	tggctctgga	11760
agaagagata	gtcttgcttt	tttactcaac	ttaagaagca	ccctaatagc	taactctgaa	11820
atgctggtgt	gaggggaaac	tgtttaagaa	gttttgcctc	aaacaggtc	cggcgccgtt	11880
ggaagggcgg	gtgggccaca	aactatctgt	ttttcactct	ttgtctacct	agtagggaca	11940
ggaggtgggt	gagaaggcct	aggtttctgt	tatacaaaat	gagaaactac	aaaccagggc	12000
tgagctggcc	tctttcatga	tttgaatgag	cagccctgat	atacccttcc	taacttcaag	12060
acatgggacc	acagatctca	gcacaacatc	tcaaaatcag	agaaggggag	ggggtgacaa	12120
atgaacccat	aagagacttg	tgtctcacag	ctcagctgta	gatggcagta	gaagagaatt	12180
cagggctcatt	ctcttgctgg	cctccagaaa	cctggctgtg	gagaaactgc	gagcccagag	12240
tagctaggaa	aaaacgctcc	tctgtgtggt	attgtcttcc	agtcatgtgt	cactcattga	12300
gaacttcttg	aatacacagt	ctggtgggga	acgtaacatg	tatgtcaaca	cgcaacacca	12360
acagtgagag	acacagcact	cctgaggggg	cataaggaca	agattcaaaa	gcaaaaagca	12420
aggctgtgaa	cacgtgtcca	gaaagcatgg	caattgtatt	ttgaaggggtg	tgtagaagtt	12480
gtcaaaccta	ataaagaagg	gccaggttgt	agccagatct	tcagactcta	cagccttaag	12540
ccaacaaagt	aaatgaggca	tccgagtgtc	aggaacgtga	ctggcacaca	agcctgagga	12600
acctgagctt	gtagcctcag	agtttaaaaag	ctggctgtag	caaggtacac	acgtaatacc	12660
taagcctgct	tagggaggca	ggaataataa	gacttgcctg	ccaaccagtc	ttcagaattg	12720
gcaaactcca	ggttccatga	gagacactga	tgtcagcctc	tgacctctgt	atgtgtgcac	12780
accatacat	atatgagcac	acaccttgag	ctcatagtca	gtcagctctg	gtgaaggcaa	12840
tagagcaaca	aggaaggggg	aatggtgtca	gctgatggga	gtcagggaaa	tagatgtgcc	12900
aagaaacaag	ctagactggg	gtggccctta	cagcgtgtg	tgacagcacc	agggaatcca	12960
tacaccaccc	taaaaagaat	gggggccagc	aaaggteccc	cacccttttc	caaatagatg	13020
ggcagataga	tgaaatgtgt	gttttggaag	gagtggggga	caacagatcc	ttgtatcagg	13080
acaggggagg	gaccaacatc	aaaagatgtg	gaagatcgag	atgtggaagc	aacagacacg	13140
agtggccaga	agcagttag	agagcaagag	tggccttgat	ctgtggagga	ccctccacac	13200
ccaaggctca	tcagtaatgt	cacatgactc	agccattaga	accaggcta	gatgttcccc	13260
tttcccctct	ctgatctatt	gttttaatagc	tatgtgaatc	cagaggaaag	acataacatc	13320
tctgggcctg	tttctagaa	tacaaaagga	acttacaaga	tgttatgagg	ggggagagat	13380
gtagggagag	gagctaggag	tgaggtggcc	atggccaggg	gctgggtgtc	cttagggaag	13440
ccttgtgctg	acagttcttc	cgttggggct	gattgtcacg	tggggtctca	cagggtatcc	13500
attgaggacg	gggatggcag	cgcctgtctc	acgtggacag	cgcacttcac	tgaaagctca	13560
gtgggtgcca	attgcatcac	tgagtgcag	cgttggtgcc	ctaataacaa	gatcccacca	13620
gctctcacat	ccctgcctcc	catctgcggg	ctgggtccct	gcttcagcct	ctgccctttc	13680
tcatgtcccc	tacaagcggc	tgagaaggtc	cagagagaaa	atcatcacct	gaggtgtctc	13740
tggggccaga	tgataagcag	ccatggtttc	ctgggcagcc	tggagggact	gggggaatgt	13800

acagatggga gctttaggac ctgagcagga ggcgactggc ttcccaggct gggagctggg 13860
ggcgggggag ggaattgagt gtcaggctga ggcagggcag ggcaggggag ttgggatggt 13920
gtcgggctag agtgctaggg agttttcctt tcaccttaat cattctgcaa acccaagaac 13980
tcaggaaaca ccgaacacct caatcaacag ctccccaca ctggcattcc caactgcccg 14040
tagctcaaga gcagttgctt tctgactatt gagtcactctg actcaccaac actgaccagg 14100
tcctctctgc accacacgtt caaattcccc caaattctcc tgttaactgc cttgaacatg 14160
gcctgtcctg gatctacagg accccgactc acccacccaa cccccacccc caacctcata 14220
tccagtatcc ctggaatgag acatcaattt tgttcacaca cccagagcc cctccgggtt 14280
tgtggctaca aaagaaccgg gacagaaccc agagtaaaac agaaacagtt cttgttcctt 14340
aggg